

Date : 02.04.2006

TO WHOM IT MAY CONCERN

This is to certify that **ABC-BFEW Joint Venture**, ABC House (2<sup>nd</sup> floor), 8, Banani C/A, Kemal Ataturk Avenue, Dhaka-1213 was awarded the contract for **Construction of Emirates Cement Factory at Mukhtarpur, Munshiganj**. The work commenced on 12.07.2003, soon after receiving the work order. The project included Civil Construction and Structural Steel works costing a total amount of Tk. 163.00 million (approximately) of which underground tunnel, bridges above silo and internal road works etc. is about Tk. 30.00 million. Works included construction of Clinker silo, Gypsum silo, Cement silo, Jetties, Conveyor belt & connecting passages, Mill building, Underground tunnel, Bridges above silo, internal road pavement works, retaining walls, drainage systems etc. Heavy concreting work, Reinforcement works, Structural steel works (supply, fabrication and erection), Cladding, Other incidental works (supply, fabrication, erection of Checkered plate, EVE purline, C-purline, Clits, Spiral stairs, Gratings etc.) were also carried out successfully. All civil and structural steel works were executed by Associated Builders Corporation Limited (ABC) while erection of structural steel works, mechanical erection works, installation of machineries were carried out by Bangladesh Foundry & Engineering Works Ltd. (BFED).

The approximate quantity of main items of civil works executed by ABC are as follows :

- |    |  |            |                         |
|----|--|------------|-------------------------|
| a) | Cast-in-situ bored pile  |            |                         |
|    | 600mm dia @ 9-18 meter length  | : 252 Nos. |                         |
|    | 600mm dia @ 21-38 meter length   | : 214 Nos. |                         |
|    | 800mm dia @ 21-24 meter length   | : 13 Nos.  | : 479 Nos.              |
|    | Cost of piling works (excluding reinforcement)   |            | : Tk. 37.80 m           |
| b) | Piles in the river for jetties (600mm dia @ 21-38 meter length)                          |            | : 76 Nos.               |
| c) | Earthwork in excavation  |            | : 13,012 M <sup>3</sup> |
| d) | Form work  |            | : 13,376 M <sup>2</sup> |
| e) | Reinforcing steel work   |            | : 711.00 MT             |
| f) | Structural steel works<br>(in mill building, clinker silo, cement silo etc.)             |            | : 17.36 MT              |
| g) | Sub-base (lean concrete)   |            | : 197 M <sup>2</sup>    |
| h) | RCC works<br>(in strap foundation, block foundation,<br>sole plate, walls, ceiling etc.) |            | : 4,502 M <sup>3</sup>  |

Contd....P/2



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Based on the above, Monthly Production Rates of key construction activities are as follows :

<u>Key Activities</u>	<u>Monthly Production</u>
Earthwork in Excavation (Manually)	13,319 M <sup>3</sup>
Reinforced Concrete	1,655 M <sup>3</sup>
Reinforcement work	298 MT.

Followings are short descriptions of major works executed by ABC :

- a) Clinker Silo : Diameter : 50.0 meter  
Height : 6.0 meter  
Wall thickness : 400mm
- b) Gypsum Silo : Diameter : 30.5 meter  
Height : 6.0 meter  
Wall thickness : 300 mm
- c) Cement Silo : Diameter : 14.7 meter  
Height : 38.00 meter  
Wall thickness : 450mm
- d) Mill Building : Equivalent to a 8-storied building with a height of 25.60 m and an area of (41.5 m x 24.6 m) : 1020.90 M<sup>2</sup>
- e) Under Ground Tunnel: This is similar to a basement and is 200 meter long, 3.5 meter high and 4.0 meter wide. Thickness of retaining wall, foundation and slab are 500 mm.
- f) Conveyor Station : Total area (11.45m x 5.00 m) : 57.29 M<sup>2</sup>
- g) Jetty (unloading) 1 No.: Area (35.00 m x 8.00 m) : 280 M<sup>2</sup>  
Depth of Slab : 1.00 meter
- h) Jetty (Loading) 1 No. : Area (8.60 m x 8.00 m) : 68.80 M<sup>2</sup>  
Depth of Slab : 140.00 mm

Contd....P/3



During execution of the project, following additional items were also been carried out :

Additional items of Work A

Water Stopper : 1,339.32 meter  
Insulation with Bentonite : 3,146 M<sup>2</sup>  
Water proofing : 210.00 M<sup>2</sup>  
Weather Coat, Distemper etc.

The Project Manager and his competent team at site worked very hard for timely completion of this project. The project was handed over to the Employer on 30.05.2005. All modern equipments were used for quality works. Day to day project activities were carried out under direct supervision of the project management at Head Office.

The performance of Associated Builders Corporation Limited (ABC), in respect of quality, time schedule is very satisfactory.

Best Regards



**M.P.Sahabdeen**  
Chief Executive Officer

